

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 4-06-15

Date	Time	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf ature, us/cm @ 25 degC (00095)	Turbidity white light, det ang 90+/-30	Redox poten- tial, rel to NTRU	Carbon- ate poten- tial, SHE, mV	Dis- solved solids dried @ 180degC	Sus- pended solids, wat unf	Calcium water, water, unfltrd mg/L (00530)	Magnes- ium, water, fltrd, mg/L (00915)	Potas- sium, water, fltrd, mg/L (00935)	
375902097363803 24S 03W 11AAAA03 RB-02 SOURCE WATER (LAT 37 59 02N LONG 097 36 38W)												
JUN 2014												
11...	1000	7.2	510	19.6	13	321	530	--	--	--	--	--
11...	1001	--	--	--	--	--	--	150	259	<4	46.1	8.00
11...	1005	7.2	510	19.6	13	321	530	--	--	--	--	--
11...	1006	--	--	--	--	--	--	150	260	4	45.8	7.85
375906097365001 24S 03W 11AABB01 RB2-MN SHALLOW (LAT 37 59 06N LONG 097 36 49W)												
JUL 2014												
07...	1005	6.3	1550	16.5	0.8	-20.2	190	--	--	--	--	--
07...	1006	--	--	--	--	--	--	490	1090	<4	147	28.9
07...	1010	6.3	1550	16.5	0.8	-20.2	190	--	--	--	--	--
07...	1011	--	--	--	--	--	--	510	1100	<4	154	29.5
375906097365002 24S 03W 11AABB02 RB2-MN DEEP (LAT 37 59 06N LONG 097 36 49W)												
JUL 2014												
07...	1235	6.7	1100	18.0	18	-160	370	--	--	--	--	--
07...	1236	--	--	--	--	--	--	370	801	21	117	19.9
375954097363801 24S 03W 02AADA01 RB1-MS SHALLOW (LAT 37 59 54N LONG 097 36 38W)												
JUL 2014												
16...	0940	6.8	613	16.8	2.8	-38.9	170	--	--	--	--	--
16...	0941	--	--	--	--	--	--	210	389	<4	64.5	12.5
375954097363802 24S 03W 02AADA02 RB1-MS DEEP (LAT 37 59 54N LONG 097 36 38W)												
JUL 2014												
16...	1155	7.1	649	16.2	0.3	-62.2	150	--	--	--	--	--
16...	1156	--	--	--	--	--	--	230	386	<4	74.6	10.8
375958097364601 24S 03W 02AABB01 RB1-MN SHALLOW (LAT 37 59 58N LONG 097 36 46W)												
JUL 2014												
16...	0935	7.0	1550	15.6	0.3	-64.6	150	--	--	--	--	--
16...	0936	--	--	--	--	--	--	580	1140	<4	174	36.0

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 4-06-15

Date	Alka-	Bicar-	Carbon-		Nitrate	Ortho-	Coli-	Coli-
	linity,	bonate,	ate,		+ nitrite	phos- phate,	Phos- phorus,	phage,
Sodium,	wat flt	wat flt	wat flt	Chlor-	Ammonia	Nitrite	E coli,	E coli,
water,	inf tit	infl pt	infl pt	ide,	Sulfate	water,	water,	C13host
fltrd,	lab,	titr.,	titr.,	water,	water,	fltrd,	water,	FAMP,
mg/L	mg/L as	mg/L	mg/L	fltrd,	fltrd,	fltrd,	water,	MF,
(00930)	(39087)	(29806)	(29809)	(00940)	(00945)	(00608)	fltrd,	MF,
	CaCO ₃	mg/L	mg/L	mg/L	mg/L as N	mg/L as N	fltrd,	plaques
							as P	/100 mL
							as P	/100 mL
	375902097363803	24S 03W 11AAAA03	RB-02 SOURCE WATER	(LAT 37 59 02N LONG 097 36 38W)				
JUN 2014								
11...	--	--	--	--	--	--	<1	<1
11...	31.0	124	150	0.0	51	24	0.120	<0.02
11...	--	--	--	--	--	--	0.33	0.340
11...	31.0	121	150	0.0	51	24	0.110	0.720
							<0.02	0.31
							0.320	--
	375906097365001	24S 03W 11AABB01	RB2-MN SHALLOW	(LAT 37 59 06N LONG 097 36 49W)				
JUL 2014								
07...	--	--	--	--	--	--	<1	<1
07...	134	149	180	0.0	120	520	0.110	<0.020
07...	--	--	--	--	--	--	<0.02	<0.04
07...	137	144	180	0.0	120	530	0.110	<0.020
							<0.02	<0.04
							0.210	--
	375906097365002	24S 03W 11AABB02	RB2-MN DEEP	(LAT 37 59 06N LONG 097 36 49W)				
JUL 2014								
07...	--	--	--	--	--	--	<1	<1
07...	115	194	240	0.0	79	370	0.060	<0.020
							<0.02	<0.04
							0.040	--
	375954097363801	24S 03W 02AADA01	RB1-MS SHALLOW	(LAT 37 59 54N LONG 097 36 38W)				
JUL 2014								
16...	--	--	--	--	--	--	<1	<1
16...	50.7	174	210	0.0	39	92	<0.030	<0.020
							<0.02	0.12
							0.220	--
	375954097363802	24S 03W 02AADA02	RB1-MS DEEP	(LAT 37 59 54N LONG 097 36 38W)				
JUL 2014								
16...	--	--	--	--	--	--	<1	<1
16...	45.9	201	240	0.0	65	38	0.190	<0.020
							<0.02	0.17
							0.240	--
	375958097364601	24S 03W 02AABB01	RB1-MN SHALLOW	(LAT 37 59 58N LONG 097 36 46W)				
JUL 2014								
16...	--	--	--	--	--	--	<1	<1
16...	91.2	199	240	0.0	330	95	0.060	<0.020
							<0.02	<0.04
							0.200	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 4-06-15

Date	E. coli, modif. water, 100 mL	Fecal colif. form, M-TEC, water, 0.7u MF col/ 100 mL (90902)	IRB bio- tester, RPS water, 100 mL (31625)	Iron-related bac- teria, bio- RPS, water, 100 mL (31696)	SFB bio- tester, biotest water, water, code cfu/mL (31695)	Slime-forming Bact-eria, water, water, code cfu/mL (31699)	SRB bio- tester, RPS, water, water, code cfu/mL (31700)	Sulfate reduc-ing bac teria, Blue, water, tester, cfu/ 100 mL (31698)	Total coliform m-Coli- Blue, water, 100 mL (31697)	Organic carbon, water, water, mg/L (31694)	Organic carbon, water, unfltrd mg/L (00681)
375902097363803 24S 03W 11AAAA03 RB-02 SOURCE WATER (LAT 37 59 02N LONG 097 36 38W)											
JUN 2014											
11...	<1	<1	6140	140000	9999	350000	3100	1200	E2	--	--
11...	--	--	--	--	--	--	--	--	--	7.1	6.91
11...	<1	<1	6140	140000	9999	350000	0.0	<1	E3	--	--
11...	--	--	--	--	--	--	--	--	--	7.0	6.77
375906097365001 24S 03W 11AABB01 RB2-MN SHALLOW (LAT 37 59 06N LONG 097 36 49W)											
JUL 2014											
07...	<1	<1	6140	500	4210	12500	0.0	<1	<1	--	--
07...	--	--	--	--	--	--	--	--	--	1.4	1.38
07...	<1	<1	5100	2300	4210	66500	0.0	<1	<1	--	--
07...	--	--	--	--	--	--	--	--	--	1.4	1.37
375906097365002 24S 03W 11AABB02 RB2-MN DEEP (LAT 37 59 06N LONG 097 36 49W)											
JUL 2014											
07...	<1	<1	6143	500	4200	66500	2100	18000	<1	--	--
07...	--	--	--	--	--	--	--	--	--	1.2	1.34
375954097363801 24S 03W 02AADA01 RB1-MS SHALLOW (LAT 37 59 54N LONG 097 36 38W)											
JUL 2014											
16...	<1	<1	6400	35000	4200	66500	3100	18000	<1	--	--
16...	--	--	--	--	--	--	--	--	--	1.1	1.04
375954097363802 24S 03W 02AADA02 RB1-MS DEEP (LAT 37 59 54N LONG 097 36 38W)											
JUL 2014											
16...	<1	<1	5100	<1	4200	2500	3100	200	<1	--	--
16...	--	--	--	--	--	--	--	--	--	0.9	0.92
375958097364601 24S 03W 02AABB01 RB1-MN SHALLOW (LAT 37 59 58N LONG 097 36 46W)											
JUL 2014											
16...	<1	<1	6140	2300	4200	2500	0.0	<1	<1	--	--
16...	--	--	--	--	--	--	--	--	--	0.6	0.54

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 4-06-15

Date	Time	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf ature, corrctd us/cm @ deg C (00095)	Turbdty white light, det ang 90+/-30 NTRU (00010)	Redox poten- tial, raw emf mV (63676)	Carbon- ate hard- ness, rel to SHE, mV (63001)	Dis- solved solids dried @ 180degC wat unf CaCO3 (63002)	Sus- pended solids, water, wat filt mg/L (00901)	Magnes- ium, water, unfltrd filtrd, mg/L (70300)	Potas- sium, water, filtrd, mg/L (00530)	Calcium water, filtrd, mg/L (00915)	Magnes- ium, water, filtrd, mg/L (00925)	Potas- sium, water, filtrd, mg/L (00935)
375958097364602 24S 03W 02AABB02 RB1-MN DEEP (LAT 37 59 58N LONG 097 36 46W)													
JUL 2014 16... 16...	1130 1131	7.3 --	833 --	15.8 --	0.2 --	-76.6 --	130 --	-- 310	-- 544	-- <4	-- 98.3	-- 14.8	-- 3
380042097363701 23S 03W 36BBC01 RR4-MS (LAT 38 00 42N LONG 097 36 37W)													
JUL 2014 08... 08...	0935 0936	7.0 --	648 --	15.8 --	0.9 --	-42.6 --	170 --	-- 240	-- 418	-- <4	-- 77.2	-- 11.0	-- 3
380051097362802 23S 03W 36BBBA02 RR4-ME DEEP (LAT 38 00 50N LONG 097 36 28W)													
JUL 2014 08... 08...	1125 1126	6.9 --	837 --	16.2 --	1.3 --	-16.6 --	190 --	-- 280	-- 600	-- <4	-- 88.7	-- 15.1	-- 3
380051097364402 23S 03W 35AAAA02 RR4-MW DEEP (LAT 38 00 50N LONG 097 36 44W)													
JUL 2014 08... 08...	0925 0926	7.1 --	862 --	16.1 --	1.3 --	-54.9 --	160 --	-- 320	-- 690	-- <4	-- 103	-- 14.7	-- 3
380142097363702 23S 03W 25BBBB02 RR3-MS-1 (LAT 38 01 41N LONG 097 36 37W)													
JUL 2014 09... 09...	1150 1151	7.3 --	379 --	17.0 --	5.0 --	-21.4 --	190 --	-- 130	-- 228	-- <4	-- 40.6	-- 6.11	-- 2
380228097363801 23S 03W 23AADA01 RR2-MS (LAT 38 02 28N LONG 097 36 38W)													
JUL 2014 09... 09... 09... 09...	0935 0936 0940 0941	7.5 -- 7.5 --	372 -- 372 --	17.0 -- 17.0 --	0.5 -- 0.5 --	-21.4 -- -21.4 --	190 -- 190 --	-- 110	-- 233	-- <4	-- 35.4	-- 4.95	-- 2
380329097363706 23S 03W 12CCCC06 RRW-01 SOURCE WATER (LAT 38 03 29N LONG 097 36 37W)													
DEC 2014 02...	1100	7.5	355	15.0	0.2	226	440	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 4-06-15

Date	Alka-	Bicar-	Carbon-		Nitrate	Ortho-	Coli-	Coli-					
	linity,	bonate,	ate,		+	phos-	phorus,	phage,					
	Sodium, water, fltrd, mg/L (00930)	inf tit lab, mg/L CaCO3 (39087)	wat flt infl pt lab, mg/L (29806)	wat flt infl pt lab, mg/L (29809)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L as N (00945)	Ammonia water, fltrd, mg/L as N (00608)	nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as P (00613)	Ortho-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L as P (00666)	Coli-E coli, C13host MF, plaques /100 mL (90903)	Coli-E coli, FAMP, MF, plaques /100 mL (90904)
375958097364602 24S 03W 02AABB02 RB1-MN DEEP (LAT 37 59 58N LONG 097 36 46W)													
JUL 2014 16... 16...	-- 51.9	-- 197	-- 240	-- 0.0	-- 140	-- 28	-- 0.200	<0.020 <0.02	-- <0.04	-- 0.210	<1 --	<1 --	
380042097363701 23S 03W 36BBBB01 RR4-MS (LAT 38 00 42N LONG 097 36 37W)													
JUL 2014 08... 08...	-- 35.0	-- 153	-- 190	-- 0.0	-- 100	-- 31	-- 0.210	-- 0.040	-- <0.02	-- <0.04	-- 0.280	<1 --	<1 --
380051097362802 23S 03W 36BBBA02 RR4-ME DEEP (LAT 38 00 50N LONG 097 36 28W)													
JUL 2014 08... 08...	-- 45.9	-- 133	-- 160	-- 0.0	-- 170	-- 30	-- 0.080	-- 0.770	-- <0.02	-- <0.04	-- 0.090	<1 --	<1 --
380051097364402 23S 03W 35AAAA02 RR4-MW DEEP (LAT 38 00 50N LONG 097 36 44W)													
JUL 2014 08... 08...	-- 44.3	-- 144	-- 180	-- 0.0	-- 180	-- 29	-- 0.180	<0.020 <0.02	-- <0.04	-- 0.210	<1 --	<1 --	
380142097363702 23S 03W 25BBBB02 RR3-MS-1 (LAT 38 01 41N LONG 097 36 37W)													
JUL 2014 09... 09...	-- 30.9	-- 180	-- 220	-- 0.0	-- 8.6	-- 15	-- 0.120	<0.020 <0.02	-- 0.16	-- 0.270	<1 --	<1 --	
380228097363801 23S 03W 23AADA01 RR2-MS (LAT 38 02 28N LONG 097 36 38W)													
JUL 2014 09... 09... 09... 09...	-- 26.1	-- 174	-- 210	-- 0.0	-- 9.2	-- 16	-- 0.150	<0.020 <0.02	-- 0.26	-- 0.260	<1 --	<1 --	
380329097363706 23S 03W 12CCCC06 RRW-01 SOURCE WATER (LAT 38 03 29N LONG 097 36 37W)													
DEC 2014 02...	--	--	--	--	--	--	--	--	--	--	<1	<1	

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 4-06-15

Date	E. coli, modif.	Fecal coliform, water, 0.7u MF	IRB form, M-FC	Iron-related tester, RPS, 100 mL	SFB bio-tester, RPS, 100 mL	Slime-forming Bacteria, bio-tester, RPS, 100 mL	SRB tester, biotest, water, 100 mL	Sulfate reducing bac, Blue, cfu/mL	Total coliform, m-Coli, 100 mL	Organic carbon, water, mg/L	Organic carbon, water, mg/L
	(90902)	(31625)	(31696)	(31695)	(31699)	(31700)	(31698)	(31697)	(31694)	(00681)	(00680)
375958097364602 24S 03W 02AABB02 RB1-MN DEEP (LAT 37 59 58N LONG 097 36 46W)											
JUL 2014 16... 16...	<1 --	<1 --	0.0 --	<1 --	7200 --	2500 --	2000 --	<1 --	<1 --	-- 0.8	-- 0.80
	380042097363701 23S 03W 36BBBB01 RR4-MS (LAT 38 00 42N LONG 097 36 37W)										
JUL 2014 08... 08...	<1 --	<1 --	6140 --	2300 --	3200 --	66500 --	1000 --	18000 --	E3 --	-- 0.6	-- 0.54
	380051097362802 23S 03W 36BBBA02 RR4-ME DEEP (LAT 38 00 50N LONG 097 36 28W)										
JUL 2014 08... 08...	<1 --	<1 --	6400 --	9000 --	4210 --	66500 --	0.0 --	<1 --	<1 --	-- 0.5	-- 0.49
	380051097364402 23S 03W 35AAAA02 RR4-MW DEEP (LAT 38 00 50N LONG 097 36 44W)										
JUL 2014 08... 08...	<1 --	<1 --	6140 --	500 --	2100 --	66500 --	2100 --	100000 --	<1 --	-- 0.6	-- 0.61
	380142097363702 23S 03W 25BBBB02 RR3-MS-1 (LAT 38 01 41N LONG 097 36 37W)										
JUL 2014 09... 09...	<1 --	<1 --	6400 --	35000 --	3200 --	350000 --	2100 --	700000 --	<1 --	-- 0.7	-- 0.66
	380228097363801 23S 03W 23AADA01 RR2-MS (LAT 38 02 28N LONG 097 36 38W)										
JUL 2014 09... 09... 09... 09...	<1 --	<1 --	6140 --	35000 --	3200 --	350000 --	2000 --	700000 --	<1 --	-- 0.6	-- 0.57
	380329097363706 23S 03W 12CCCC06 RRW-01 SOURCE WATER (LAT 38 03 29N LONG 097 36 37W)										
DEC 2014 02...	<1	<1	0.0	<1	4200	500	0.0	<1	<1	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 4-06-15

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
MISCELLANEOUS STATION ANALYSES

PROCESS DATE 4-06-15

Date	Alka-	Bicar-	Carbon-		Nitrate		Ortho-	Coli-	Coli-				
	linity,	bonate,	ate,		+	phos-	Phos-	phage,	phage,				
Sodium, water, fltrd, mg/L (00930)	wat flt inf tit lab, titr., mg/L CaCO ₃ (39087)	wat flt infl pt lab, titr., mg/L (29806)	wat flt infl pt lab, titr., mg/L (29809)	Chlor- ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Coli- E coli, C13host MF, plaques /100 mL (90903)	Coli- E coli, FAMP, MF, plaques /100 mL (90904)	
380329097363706 23S 03W 12CCCC06 RRW-01 SOURCE WATER (LAT 38 03 29N LONG 097 36 37W)													
DEC 2014 02...	28.2	178	220	0.0	7.0	13	0.150	0.040	<0.02	0.24	0.230	--	--
380336097363701 23S 03W 12CCBC01 RR1-MN (LAT 38 03 35N LONG 097 36 36W)													
JUL 2014 21... 21...	-- 20.7	-- 133	-- 160	-- 0.0	-- 7.5	-- 9.7	-- 0.100	-- 0.070	-- <0.02	-- 0.18	-- 0.300	<1 --	<1 --

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 4-06-15
 MISCELLANEOUS STATION ANALYSES

	Fecal colif. modif.	IRB form, M-FC	related bio- tester,	SFB bio- teria,	Slime-forming Bact-eria,	SRB tester, biotest RPS,	Sulfate ing bac teria, Blue, tester, RPS,	Total m-Coli- form, Blue, cfu/ 100 mL (31697)	Organic carbon, water, water, fltrd, unfltrd mg/L (31694)	Organic carbon, water, water, mg/L (00681)
Date	100 mL (90902)	0.7u MF (31625)	100 mL (31696)	water, tester, (31695)	water, tester, (31699)	water, water, (31700)	water, tester, (31698)	100 mL (31697)	mg/L (00681)	mg/L (00680)

380329097363706 23S 03W 12CCCC06 RRW-01 SOURCE WATER (LAT 38 03 29N LONG 097 36 37W)

DEC 2014 02...	--	--	--	--	--	--	--	--	0.7	0.74
-------------------	----	----	----	----	----	----	----	----	-----	------

380336097363701 23S 03W 12CCBC01 RR1-MN (LAT 38 03 35N LONG 097 36 36W)

JUL 2014 21... 21...	<1	<1	6100	9000	3200	12500	3100	500	<1	--
	--	--	--	--	--	--	--	--	--	0.6

Remark codes used in this table:

< -- less than
 > -- greater than
 E -- estimated